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Substitute for form 1449A/PTO

7 INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	1	of	2
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Attorney Docket Number	112056-0159
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Complete if Known

Application Number	10/772,822
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Filing Date	February 5, 2004
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First Named Inventor	Vijayan Rajan et al.
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Group Art Unit	NOT YET ASSIGNED 2185
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Examiner Name	NOT YET ASSIGNED Arden Saville
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Attorney Docket Number	112056-0159
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

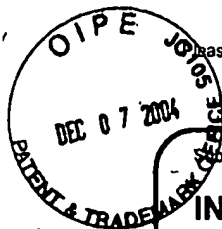
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

Complete if Known

Application Number	10/772,822
Filing Date	February 5, 2004
First Named Inventor	Vijayan Rajan et al.
Group Art Unit	NOT YET ASSIGNED 2185
Examiner Name	NOT YET ASSIGNED Alpan Savla
Attorney Docket Number	112056-0159

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		DAVID HITZ et al. TR3002 File System Design for a NFS File Server Appliance published by Network Appliance, Inc.	
A.S.		Common Internet File System (CIFS) Version: CIFS-Spec 0.9, Storage Networking Industry Association (SNIA), Draft SNIA CIFS Documentation Work Group Work-in-Progress, Revision Date: 3/26/2001	
A.S.		Fielding et al. (1999) Request for Comments (RFC) 2616, HTTP/1.1	

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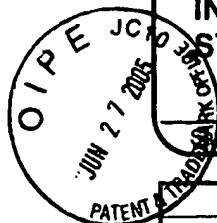
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 5

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Application Number	10/772,822
Filing Date	February 5, 2004
First Named Inventor	Vijayan Rajan et al.
Group Art Unit	NOT YET ASSIGNED 2185
Examiner Name	NOT YET ASSIGNED Aspen Sav
Attorney Docket Number	112056-0159



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
A.S.	1	Re. 34,100		Hartness	10-13-1992	
	2	4,156,907		Rawlings, et al.	05-29-1979	
	3	4,399,503		Hawley	08-16-1983	
	4	4,598,357		Swenson et al.	07-01-1986	
	5	4,688,221		Nakamura et al.	08-18-1987	
	6	4,698,808		Ishii	10-06-1987	
	7	4,761,785	B1	Clark et al.	08-02-1988	
	8	4,805,090		Coogan	02-14-1989	
	9	4,837,675		Bean et al.	06-06-1989	
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	16	5,426,747		Weinreb et al.	06-20-1995	
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	18	6,636,879	B1	Doucette et al.	10-21-2003	

FOREIGN PATENT DOCUMENTS

Examine r Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₂
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
A.S.	19	WO	89/10594		Krakauer, Arno	11-02-1989		

Examiner Signature	<i>Aspen Sav</i>	Date Considered	9/28/06
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Attorney Docket Number	112056-0159														
Sheet	2	of	5												

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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A.S.	20	Administration Guide found at http://www.opcnafs.org/pages/doc/AdminGuide/auag010.htm , visited on 3/2/2005	
	21	BASILICO, ET AL., <i>Error Correction System Using "Shadow Memory,"</i> IBM Technical Disclosure Bulletin, May 1984, pp. 5792-5793	
	22	BITTON, DINA, <i>Disk Shadowing</i> , Proceedings of the 14 th VLDB Conference, LA, CA (1988)	
	23	BLASGEN, M.W. ET AL., <i>System R: An architectural Overview</i> , Reprinted from IBM Systems Journal Vol. 20, no. 1, 1981©1981, 1999	
	24	BORENSTEIN, NATHANIEL S., <i>CMU's Andrew project a retrospective</i> , Communications of ACM, (39)12, December 1996	
	25	BROWN, MARK R. ET AL., <i>The Alpine file system</i> , ACM Transactions on Computing Systems, 3(4):261-293, November 1985	
	26	CHEN, PETER M., ET AL., <i>An Evaluation of Redundant Arrays of Disks Using an Amdahl 5890</i> Performance Evaluation, pp. 74-85, 1990	
	27	CHUTANI, SAILESH, ET AL., <i>The Episode file system</i> , In Proceedings of the USENIX Winter 1992	
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	29	Data Sheet for the Check Point Software Technologies product Flood-Gate-1 (1997)	
A.S.	30	DIBBLE, PETER C., ET AL., <i>Beyond Striping: The Bridge Multiprocessor File System</i> , Computer Science Department, University of Rochester, Aug. 11, 1989	
	31	DOUGLIS, FRED, ET AL., <i>A comparison of two distributed systems: Amoeba and Sprite - Computing Systems</i> , 4(4), Fall 1991, pp. 353-385 (copy of article I have has no date or cite)	
A.S.	32	GAIT, JASON, <i>Phoenix: A Safe In-Memory File System</i> , Communications of the ACM, 33(1):81-86, January 1990	
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A.S.	34	HITZ, DAVE ET AL., <i>File System Design for an NFS File Server Appliance</i> , Technical Report 3002, Rev. C395, presented Jan. 19, 1994	
Examiner Signature		Date Considered	
<i>Arpan Shukla</i>		9/28/06	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/772,822
		Filing Date	February 5, 2004
		First Named Inventor	Vijayan Rajan et al.
		Group Art Unit	NOT YET ASSIGNED 2185
		Examiner Name	NOT YET ASSIGNED Arpan 5/16/4
Sheet	3	of	5
		Attorney Docket Number	112056-0159

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AS,	35	HOWARD, JOHN H, ET AL. <i>Scale and Performance in a Distributed File System</i> , Carnegie Mellon University, CMU-ITC-87-068, Aug. 5, 1987	
✓	36	HOWARD, JOHN, H. ET AL., <i>Scale and performance in a distributed file system</i> , ACM Trans. Computer. System., 6(1), Feb. 1988 pp. 51-81	
AS,	37	HOWARD, JOHN H., <i>An Overview of the Andrew File System</i> , Carnegie Mellon University, CMU-ITC-88-062	
	38	The IBM System/38, Chapter 8, pp. 137-15	
AS,	39	ISOMAKI, MARKUS, <i>Differentiated Service for the Internet</i> , Department of Technical Physics and Mathematics, May 9, 1998	
AS,	40	KAZAR, MICHAEL L., ET AL., <i>Decorum File System Architectural Overview</i> , USENIX Summer Conference, Anaheim, California, 1990	
	41	LOMET, DAVID., ET AL., <i>The performance of a multiversion access method</i>, ACM SIGMOD International Conference on Management of Data, 19:353-363	
AS,	42	LORIE, RAYMOND, A., <i>Physical integrity in a large segmented database</i> , ACM Trans. Database Systems, (2)1: 91-104, March 1977	
	43	LORIE, RA, <i>Shadow Page Mechanism</i> , IBM Technical Disclosure Bulletin, June 1986, pp. 340-342	
	44	MCKUSICK, MARSHALL KIRK, ET AL., <i>A Fast File System for UNIX</i> , Computer Science Division, Department of Electrical Engineering and Computer Sciences, Univ. of CA, Berkley, Feb. 18, 1994	
	45	MILLER, ETHAN L., ET AL., <i>RAMA: A File System for Massively Parallel Computers</i> , 12 th IEEE Symposium on Mass Storage Systems, Monterey CA, April 1993, pp. 163-168	
	46	MOONS, HERMAN ET AL., <i>Location-Independent Object Invocation in Open Distributed Systems</i> , Autumn 1991 EurOpen Technical Conference and Exhibition, pp. 287-300 (September 16-20, 1991)	
	47	MORRIS, JAMES H., Et Al, <i>Andrew: A Distributed Personal Computing Environment</i> , Comm. of the ACM, vol. 29, March 1986, pp 184-201	
✓	48	MULLENDER, SAPE J., ET AL., <i>A distributed file service based on optimistic concurrency control</i> , ACM Symposium on Operating System Principles (Orcas Island, Washington). Published as Operating Systems Review, 19(5):51-62, December 1985	
AS,	49	MULLER, KEITH, ET AL., <i>A High Performance Multi-Structured File System Design</i> , In Proceedings of the 13th ACM Symposium on Operating Systems Principles, October 1991, pp. 56-67	
Examiner Signature	Date Considered		

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	49	MULLER, KEITH, ET AL., <i>A High Performance Multi-Structured File System Design</i> , In Proceedings of the 13th ACM Symposium on Operating Systems Principles, October 1991, pp. 56-67	
	50	OUSTERHOUT, JOHN K. ET AL., <i>The Sprite Network Operating System</i> , Computer Science Division, Department of Electrical Engineering and Computer Sciences, Univ. of CA, Berkley, Nov. 19, 1987	
	51	OUSTERHOUT, JOHN ET AL., <i>Beating the I/O Bottleneck: A Case for Log-Structured File Systems</i> , Technical Report, Computer Science Division, Electrical Engineering and Computer Sciences, University of California at Berkeley, October 30, 1988	
	52	OUSTERHOUT, JOHN, <i>Why Aren't Operating Systems Getting Faster as Fast as Hardware?</i> , Digital WRL Technical Note TN-11, October 1989	
	53	OUSTERHOUT, JOHN, <i>A Brief Retrospective On The Sprite Network Operating System</i> , found at http://www.cs.berkeley.edu/projects/sprite/retrospective.html , visited on 3/11/2005	
	54	PATTERSON, D., ET AL., <i>A Case for Redundant Arrays of Inexpensive Disks (RAID)</i> , Technical Report, CSD-87-391, Computer Science Division, Electrical Engineering and Computer Sciences, University of California at Berkeley (1987)	
	55	PATTERSON, D., ET AL., <i>A Case for Redundant Arrays of Inexpensive Disks (RAID)</i> , SIGMOD International Conference on Management of Data, Chicago, IL, USA, 1-3 June 1988, SIGMOD RECORD (17)3:109-16 (Sept. 1988)	
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	58	Redundant Array of Independent Disks, from Wikipedia, the free encyclopedia, found at http://en.wikipedia.org/wiki/RAID , visited on 3/9/2005	
✓	59	ROSENBERG, J., ET AL., <i>Stability in a Persistent Store Based on a Large Virtual Memory</i> , In Security and Persistence, Rosenber, J. & Keedy, J.L. (ed), Springer-Verlag (1990) pp 229-245	
A.S.	60	ROSENBLUM, MENDEL, ET AL., <i>The LFS Storage Manager</i> , Computer Science Division, Electrical Engin. And Computer Sciences, Univ. of CA, presented at Summer '90 USENIX Technical Conference, Anaheim, CA June 1990	
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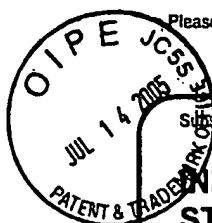
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A.S.	61	ROSENBLUM, MENDEL, ET AL, <i>The Design and Implementation of a Log-Structured File System</i> July 24, 1991 pp1-15.	
	62	ROSENBLUM, MENDEL, ET AL., <i>The Design and Implementation of a Log-Structured File System</i> , In Proceedings of ACM Transactions on Computer Systems, (10)1:26-52, February 1992	
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Examiner Signature		Date Considered	2/28/06
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

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Application Number	10/772,822
Filing Date	February 5, 2004
First Named Inventor	Vijayan Rajan et al.
Group Art Unit	NOT YET ASSIGNED 2183
Examiner Name	NOT YET ASSIGNED Anson Saulc
Attorney Docket Number	112056-0159

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AS	1	4,570,217		Allen et al.	02-11-1986	
	2	5,163,131		Row et al.	11-10-1992	
↓	3	5,202,979		Hillis et al.	04-13-1993	
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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AS	5	AKYUREK, SEDAT, <i>Placing Replicated Data to Reduce Seek Delays</i> , Department of Computer Science, University of Maryland, UMIACS-TR-91-121, CS-TR-2746, August 1991.
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Examiner Signature

Anson Saulc

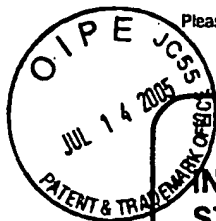
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/772,822		
		Filing Date	February 5, 2004		
		First Named Inventor	Vijayan Rajan et al.		
		Group Art Unit	NOT YET ASSIGNED 2185		
		Examiner Name	NOT YET ASSIGNED Rajan SA 1/6		
Sheet	2	of	3	Attorney Docket Number	112056-0159

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AS	14	HOWARD, JOHN H., <i>An Overview of the Andrew File System</i> , Carnegie Mellon University, CMU-ITC-88-062 1988.	
AS	15	HOWARD, JOHN, H. ET AL., <i>Scale and Performance in a Distributed File System</i> , ACM Trans. Computer System, 6(1), Feb. 1988 pp. 51-81.	
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Examiner Signature	<i>Rajan</i>	Date Considered	9/28/06
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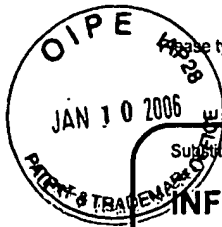
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A.S.	26	QUINLAN, SEAN, <i>A Cached WORM File System</i> , Software-Practice and Experience, 21(12):1289-1299 1991.	
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AS	5	International Search Report for International Application No. PCT/US2005/003217, December 13, 2005, Authorized Officer Selma Harris.	

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